

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011523.D
 Acq On : 21 Nov 2022 14:52
 Operator : KP/MD
 Sample : N5678-19
 Misc : 7.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 01:45:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

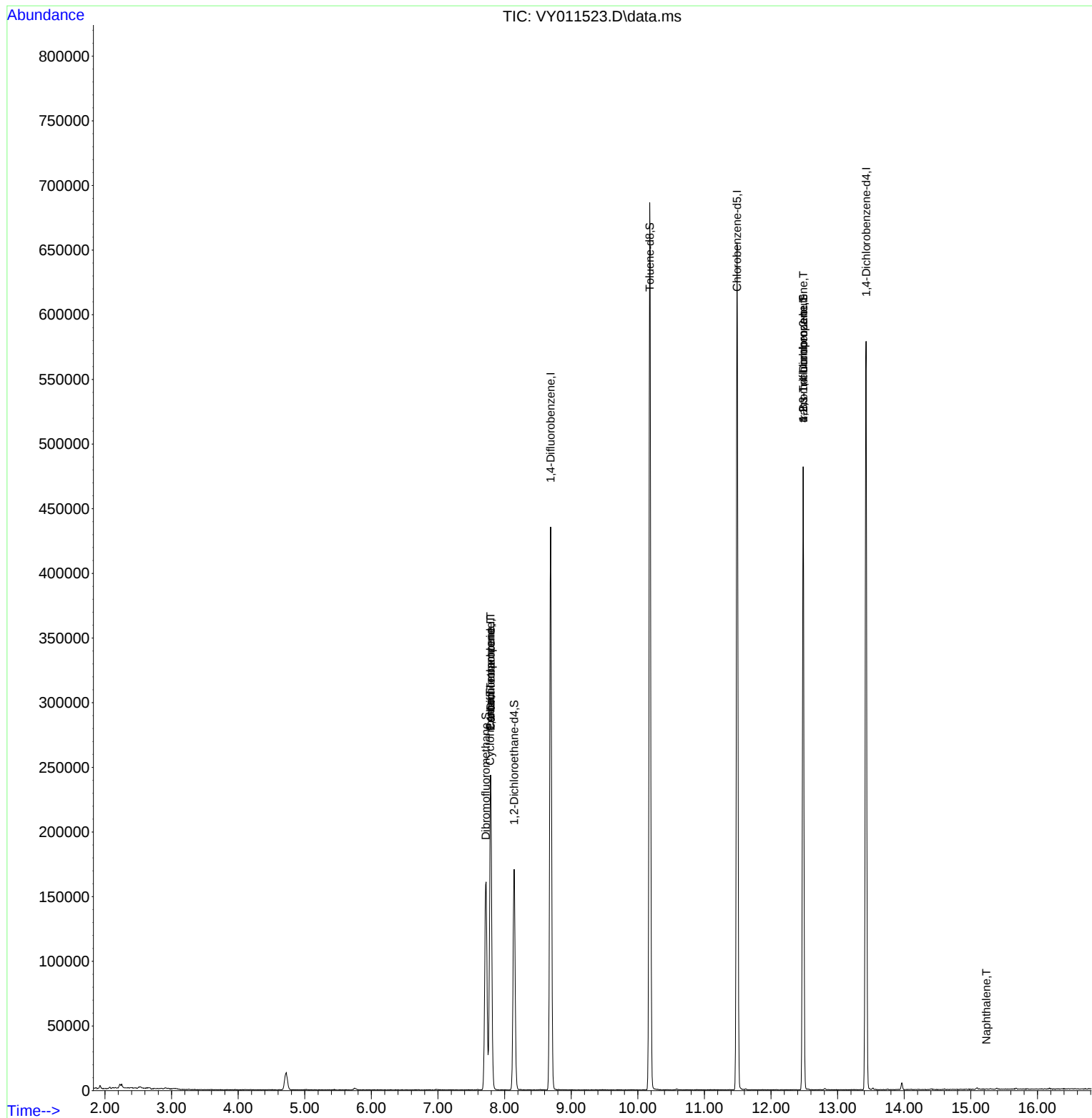
Internal Standards						
1) Pentafluorobenzene	7.789	168	184763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	339875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	130340	69.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.940%	
35) Dibromofluoromethane	7.716	113	114643	52.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.179	98	436738	54.862	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.720%	
62) 4-Bromofluorobenzene	12.483	95	139622	47.437	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.880%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	49	Below Cal	#	43
3) Chloromethane	2.125	50	244	Below Cal	#	44
5) Bromomethane	2.662	94	262	Below Cal		98
18) Methyl Acetate	4.479	43	87	Below Cal	#	56
20) Methylene Chloride	4.722	84	10100	Below Cal	#	80
31) Cyclohexane	7.783	56	4083	1.313	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15152	4.425	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18735	4.890	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	74610	46.843	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	74610	102.602	ug/l #	7
95) Naphthalene	15.233	128	372	4.085	ug/l #	69

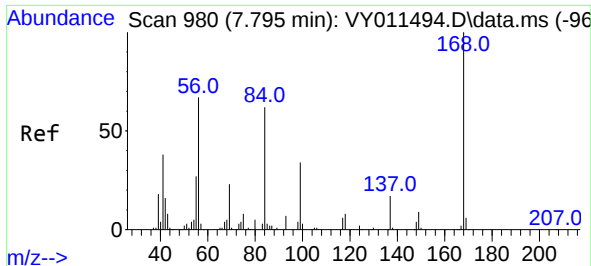
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

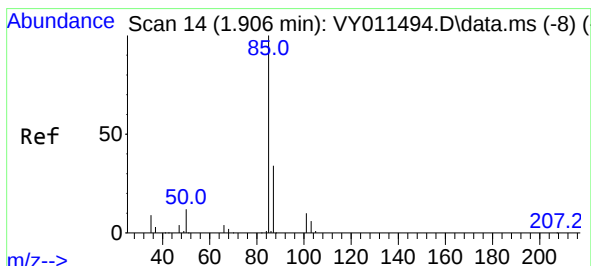
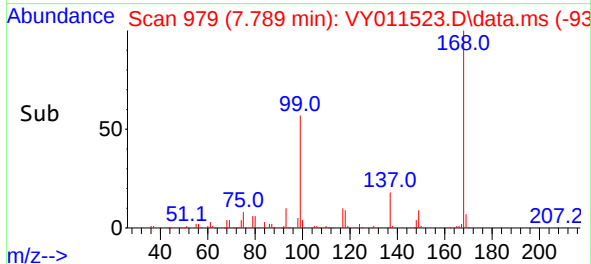
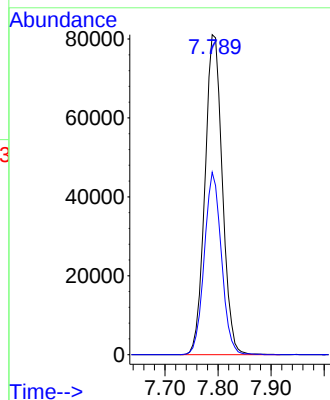
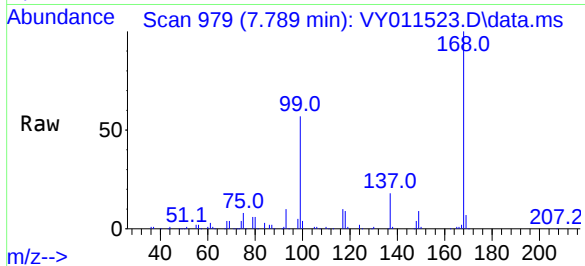




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

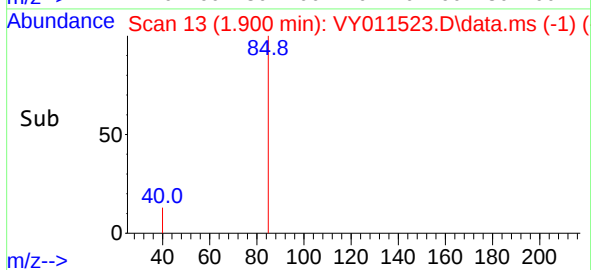
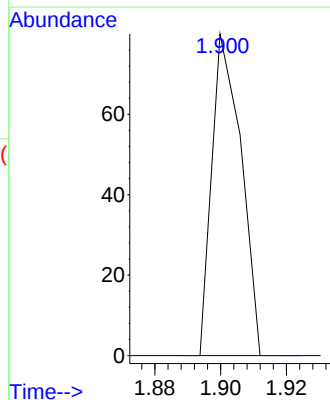
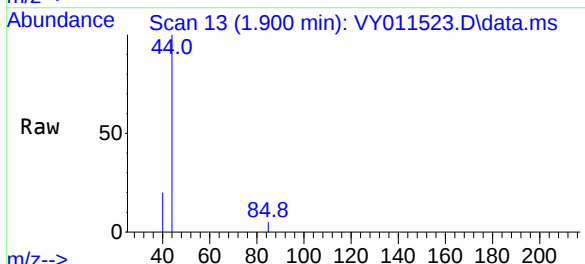
Instrument :
MSVOA_Y
ClientSampleId :

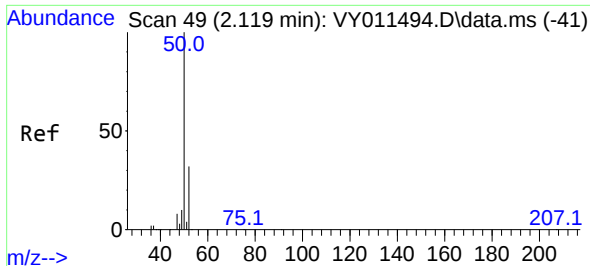
Tgt Ion:168 Resp: 184763
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

Tgt Ion: 85 Resp: 49
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

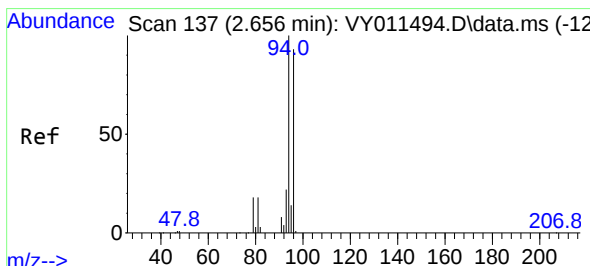
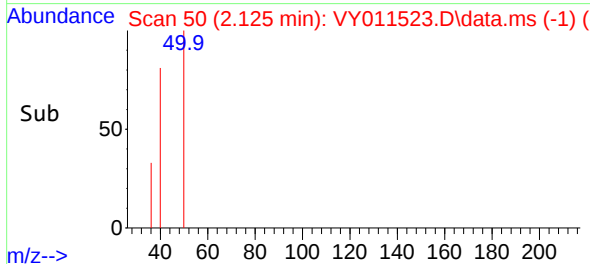
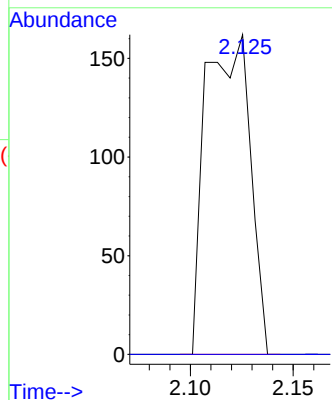
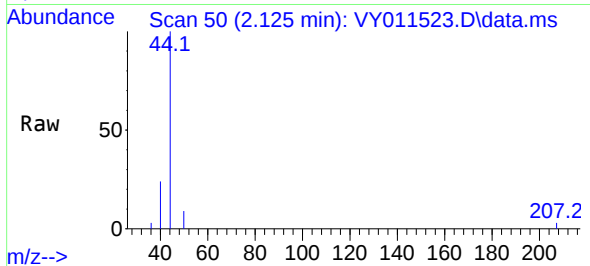




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

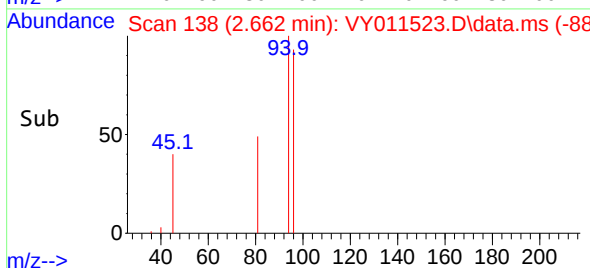
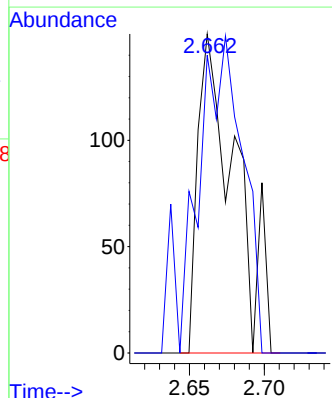
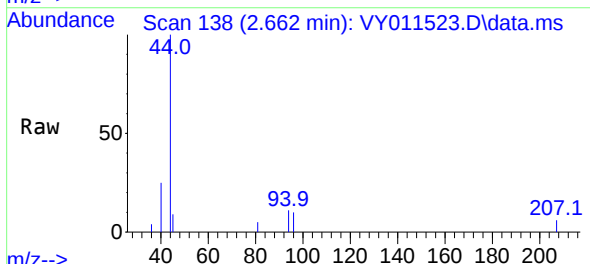
Instrument :
MSVOA_Y
ClientSampleId :

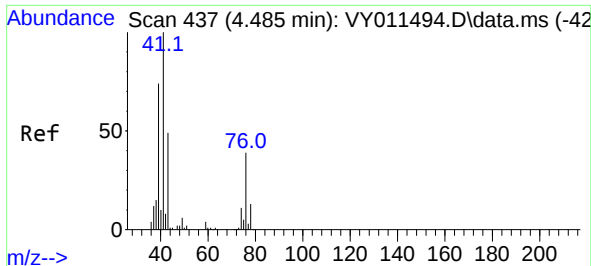
Tgt Ion: 50 Resp: 244
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 93.3 73.5 110.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

Instrument :

MSVOA_Y

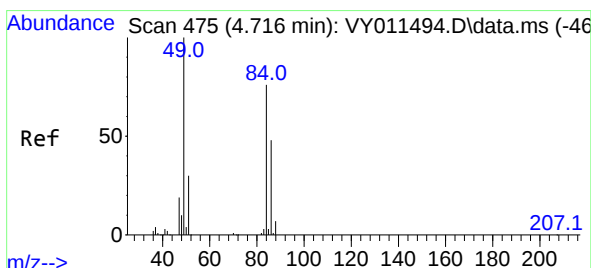
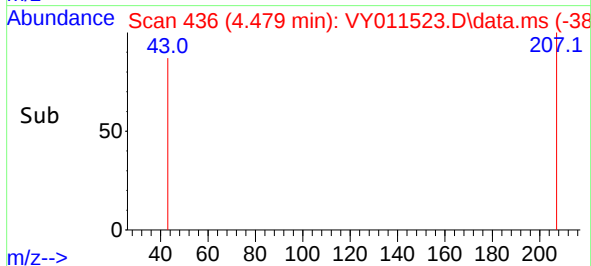
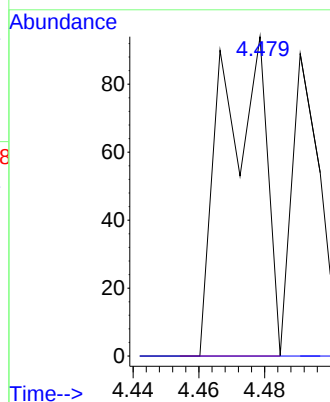
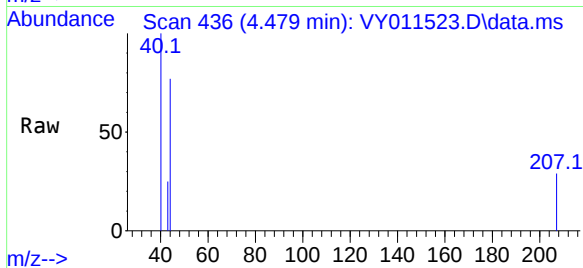
ClientSampleId :

Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

Tgt Ion: 84 Resp: 10100

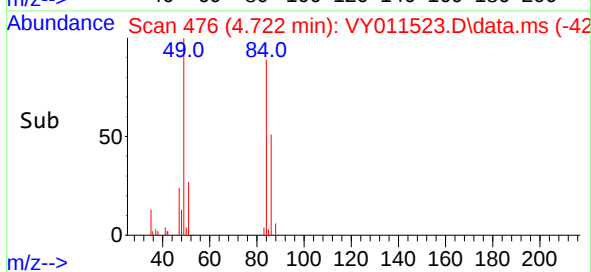
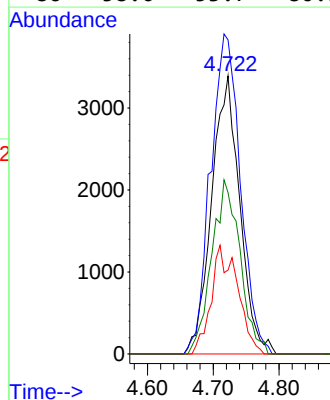
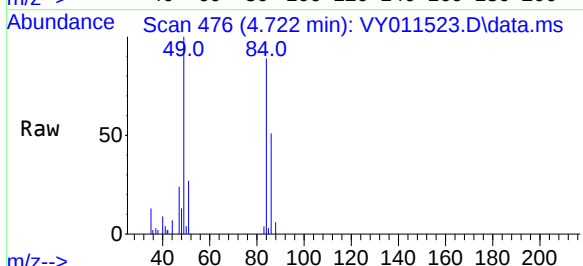
Ion Ratio Lower Upper

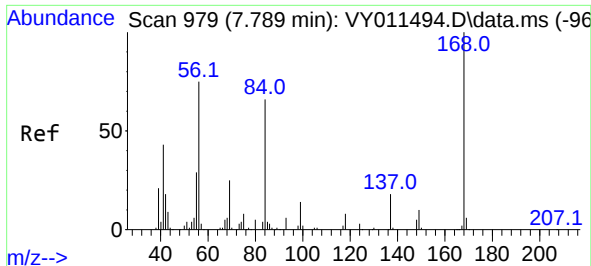
84 100

49 112.9 114.4 171.6#

51 30.2 35.3 52.9#

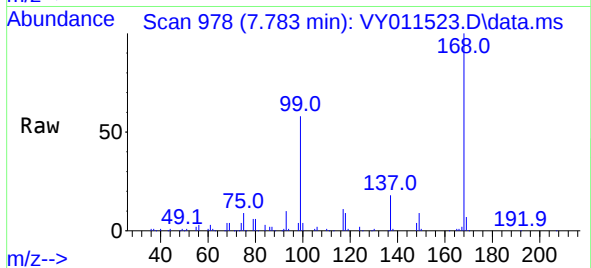
86 58.0 53.7 80.5



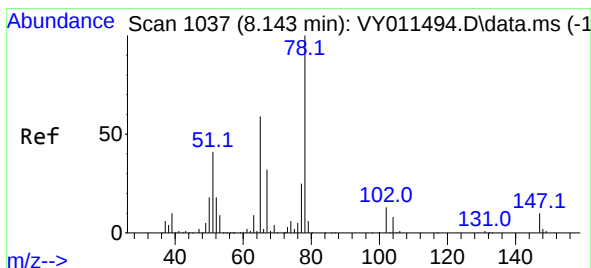
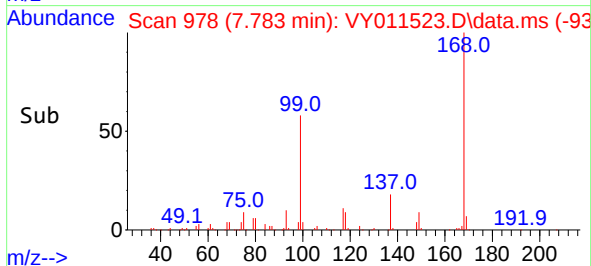
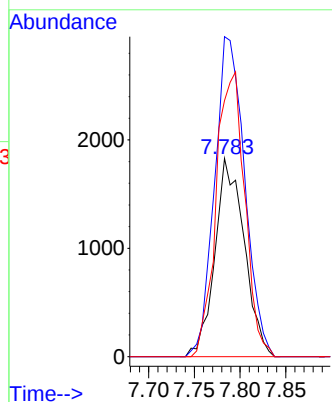


#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

Instrument :
MSVOA_Y
ClientSampleId :

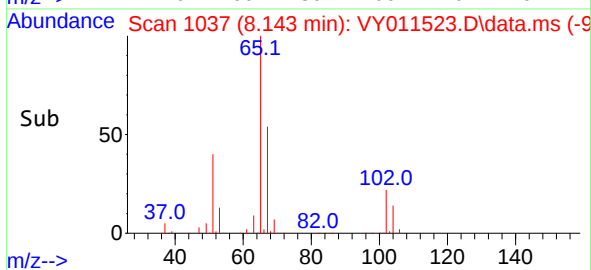
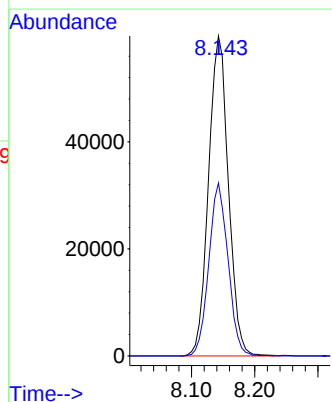
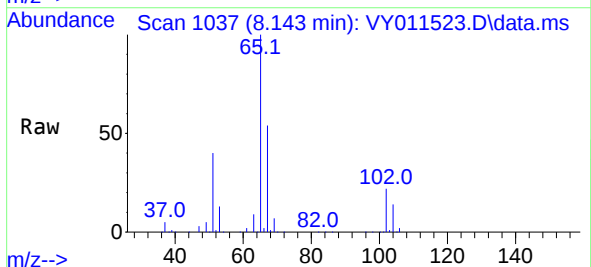


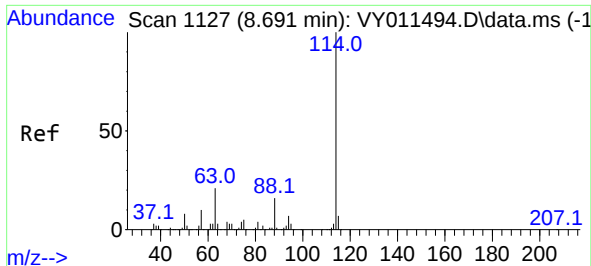
Tgt Ion: 56 Resp: 4083
Ion Ratio Lower Upper
56 100
69 161.5 26.7 40.1#
84 129.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 69.475 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

Tgt Ion: 65 Resp: 130340
Ion Ratio Lower Upper
65 100
67 52.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

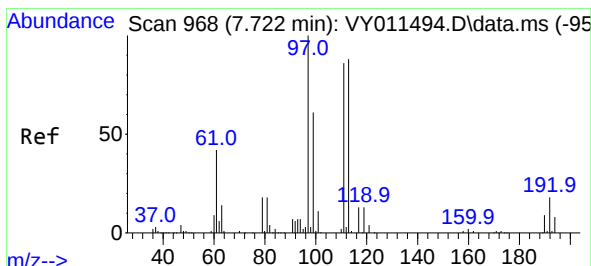
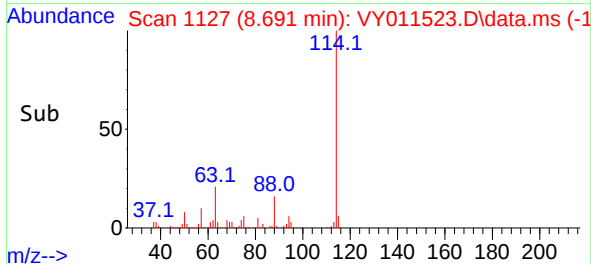
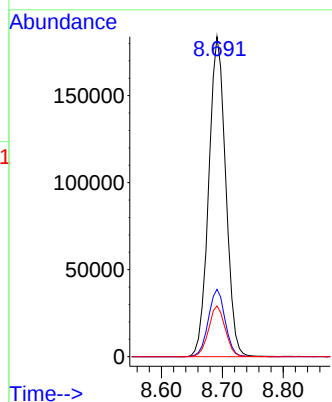
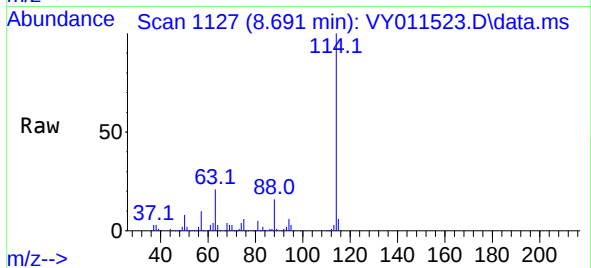
Tgt Ion:114 Resp: 355863

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.332 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

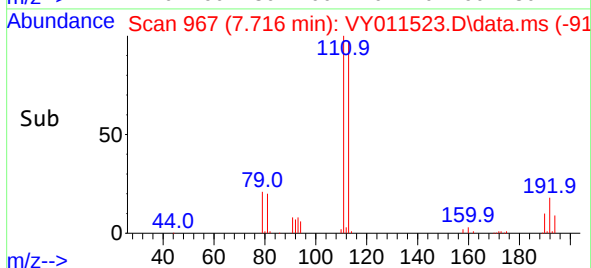
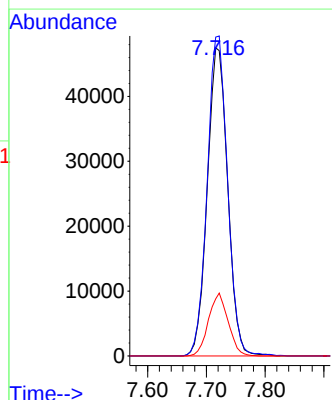
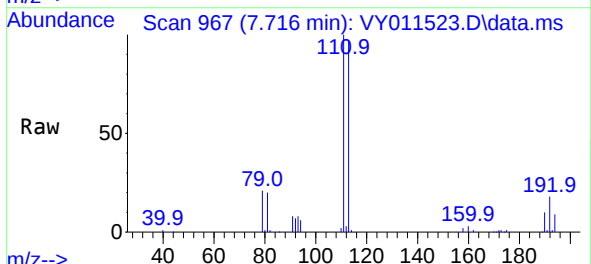
Tgt Ion:113 Resp: 114643

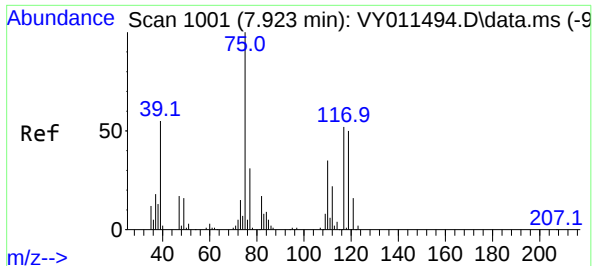
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.425 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

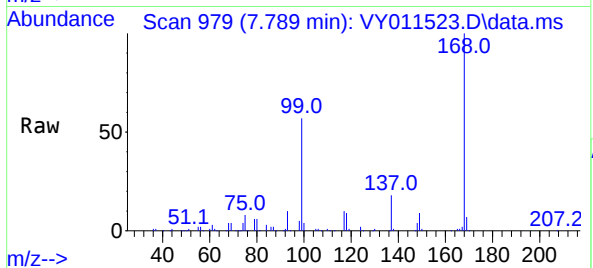
Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :



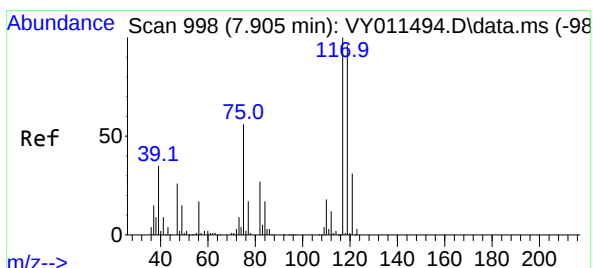
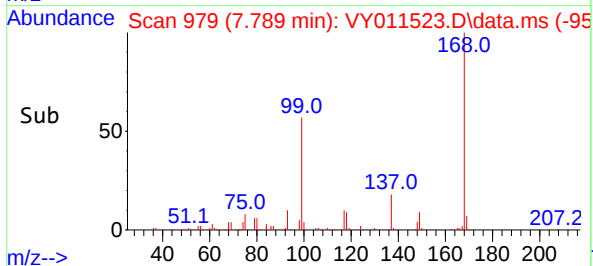
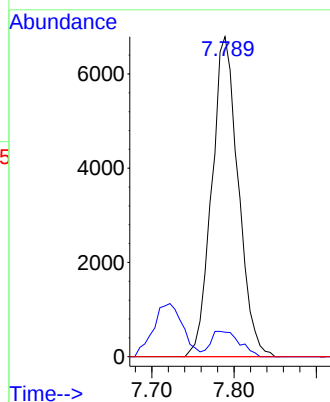
Tgt Ion: 75 Resp: 15152

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.890 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

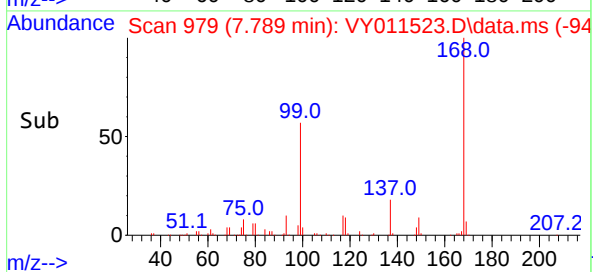
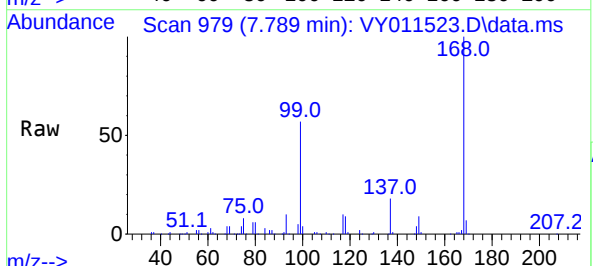
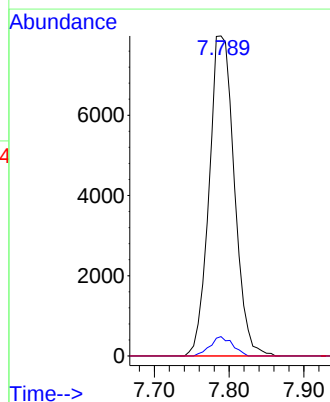
Tgt Ion: 117 Resp: 18735

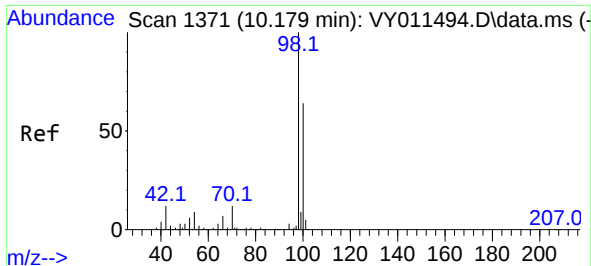
Ion Ratio Lower Upper

117 100

119 6.0 77.9 116.9#

121 0.0 24.8 37.2#

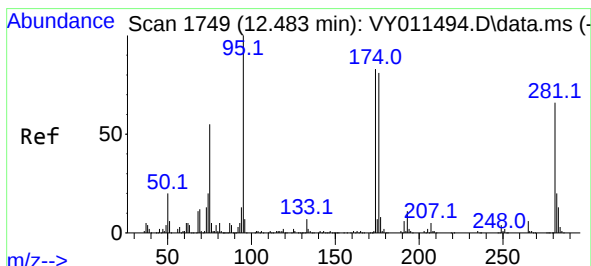
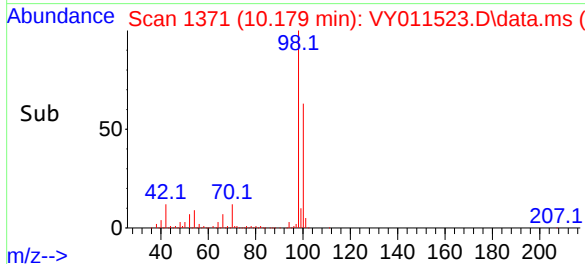
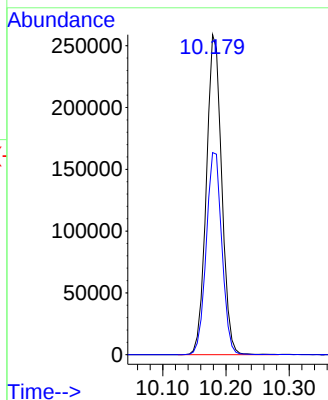
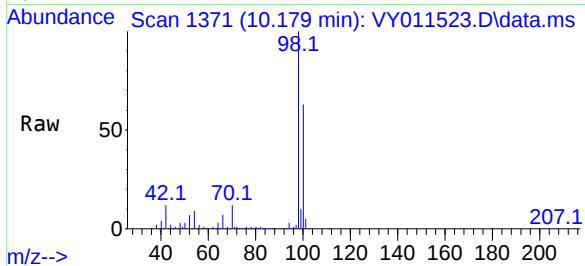




#50
Toluene-d8
Concen: 54.862 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

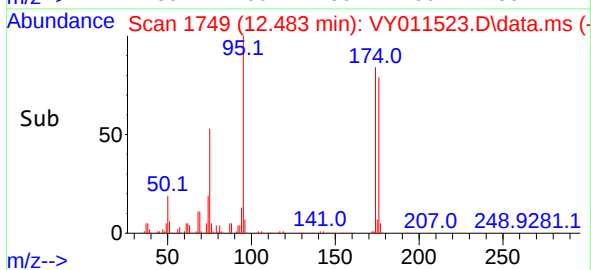
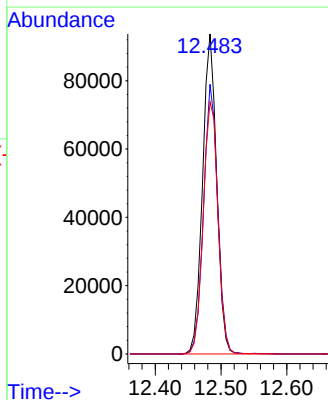
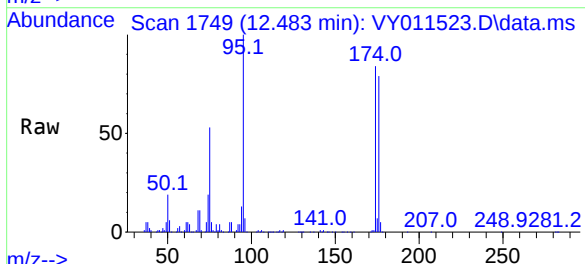
Instrument :
MSVOA_Y
ClientSampleId :

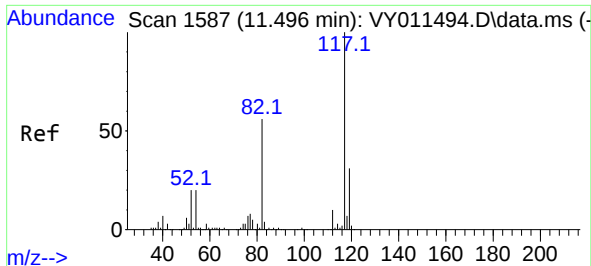
Tgt Ion: 98 Resp: 436738
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.437 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

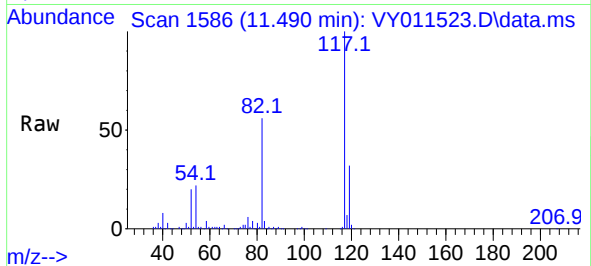
Tgt Ion: 95 Resp: 139622
Ion Ratio Lower Upper
95 100
174 85.0 0.0 177.0
176 82.4 0.0 175.8



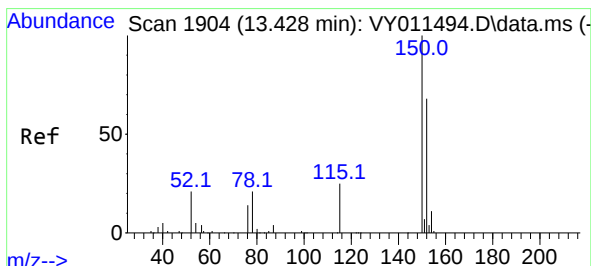
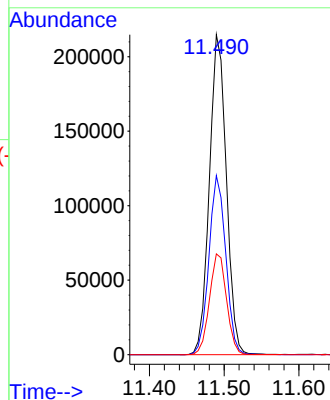
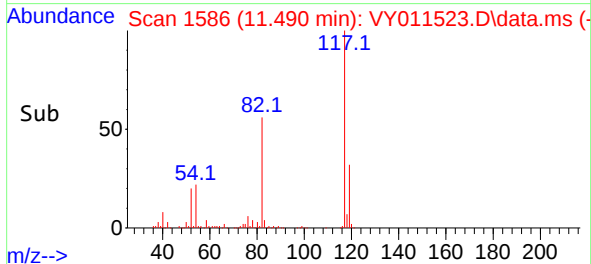


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

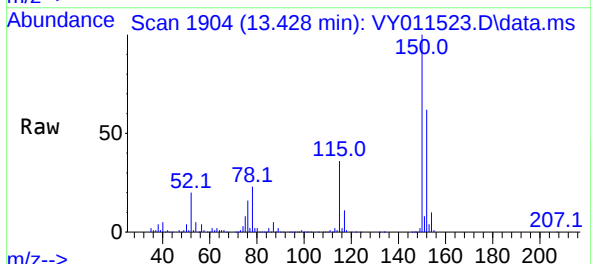
Instrument :
MSVOA_Y
ClientSampleId :



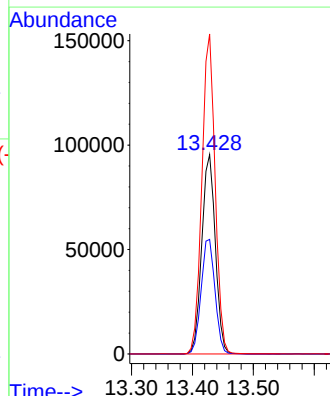
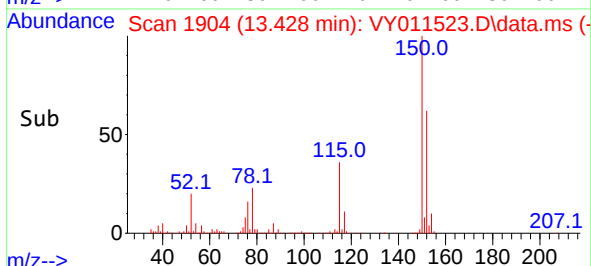
Tgt Ion:117 Resp: 339875
Ion Ratio Lower Upper
117 100
82 56.0 43.0 64.4
119 31.5 25.4 38.0

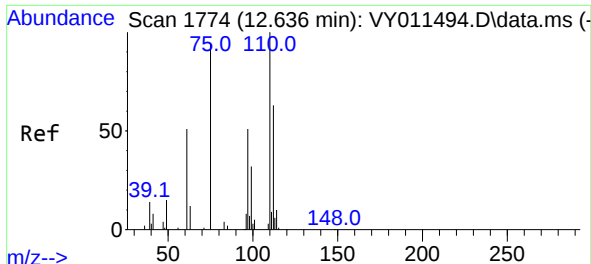


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52



Tgt Ion:152 Resp: 147898
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 156.6 0.0 347.6

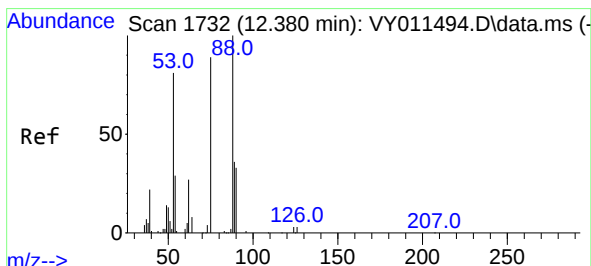
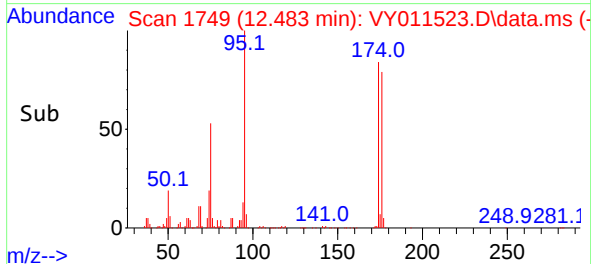
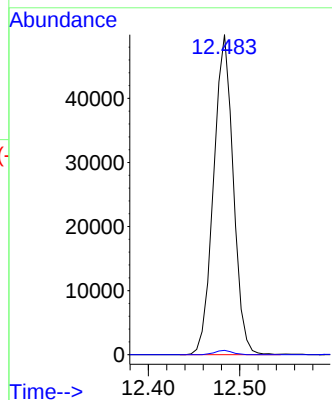
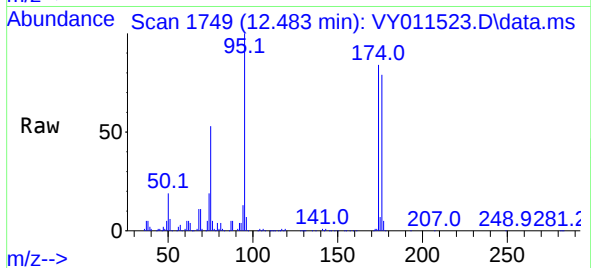




#76
1,2,3-Trichloropropane
Concen: 46.843 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

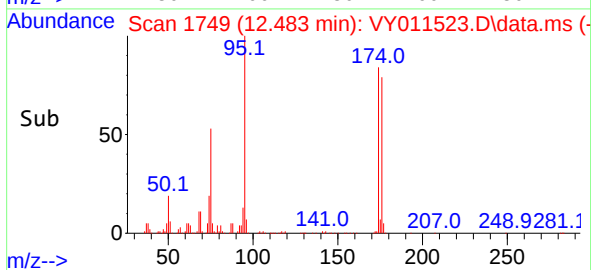
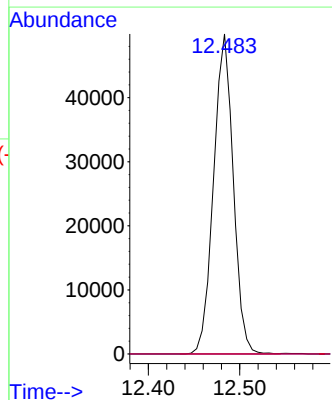
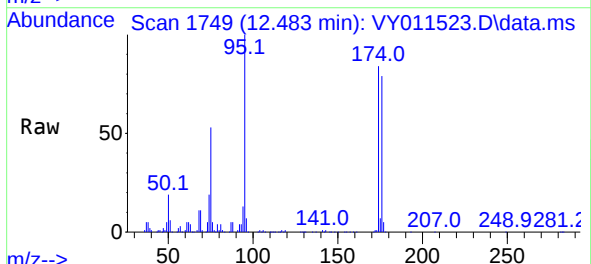
Instrument :
MSVOA_Y
ClientSampleId :

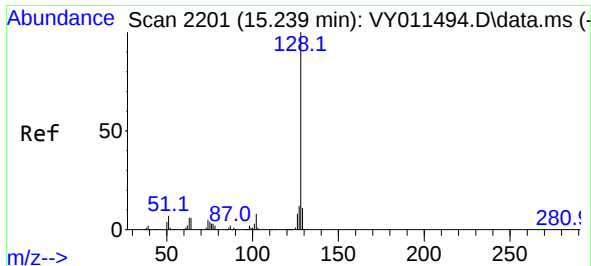
Tgt Ion: 75 Resp: 74610
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.602 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011523.D
Acq: 21 Nov 2022 14:52

Tgt Ion: 75 Resp: 74610
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.085 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

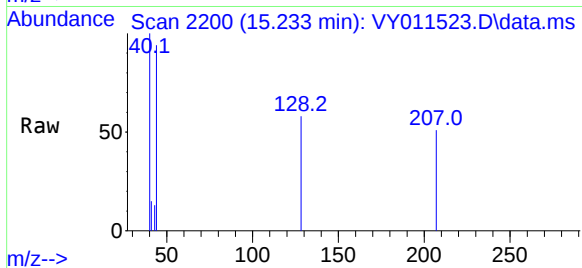
Lab File: VY011523.D

Acq: 21 Nov 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 372

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

